

Qy 121 TKAPSTAATPDRGLMQSLPTFIQGPKEAGRPGKAGPRGPPGEPGPPGPMGPPGEKGE PG 180  
 |||  
 Db 121 TKAPSTAATPDRGLMQSLPTFIQGPKEAGRPGKAGPRGPPGEPGPPGPMGPPGEKGE PG 180  
 |||  
 Qy 181 RQGLPGPPGAPGLNAAGAI SAATY STGPKIAFYAGLKRQHEGYEVLKFDDVVTNLGNHYD 240  
 |||  
 Db 181 RQGLPGPPGAPGLNAAGAI SAATY STGPKIAFYAGLKRQHEGYEVLKFDDVVTNLGNHYD 240  
 |||  
 Qy 241 PTTGKFTCSIPGIYFFTYHVLMRGGDGTSMWADLCKNNQVRASAI AQDADQNYDYASNSV 300  
 |||  
 Db 241 PTTGKFTCSIPGIYFFTYHVLMRGGDGTSMWADLCKNNQVRASAI AQDADQNYDYASNSV 300  
 |||  
 Qy 301 VLHLEPGDEVYIKLDGGKAHGGNNNKYSTFSGFIIYAD 338  
 |||  
 Db 301 VLHLEPGDEVYIKLDGGKAHGGNNNKYSTFSGFIIYAD 338  
 |||

RESULT 2

ADI21258

ID ADI21258 standard; protein; 338 AA.

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AC ADI21258;

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DT 15-APR-2004 (first entry)

XX

DE Novel human protein #233.

XX

KW forensic; nutritional source; damaged tissue; diseased tissue;

KW myeloid cell disorder; lymphoid cell disorder;

KW bone cartilage tissue growth; tendon tissue growth;

KW ligament tissue growth; nerve tissue growth; regeneration; wound healing;

KW tissue repair; tissue replacement; burn; incision; ulcer; cancer; human.

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OS Homo sapiens.

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PN WO2003025148-A2.

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PD 27-MAR-2003.

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PF 19-SEP-2002; 2002WO-US029964.

XX

PR 19-SEP-2001; 2001US-0323739P.

PR

13-SEP-2002; 2002US-00323739.

XX

PA (HYSE-) HYSEQ INC.

XX

PI Tang YT, Asundi V, Goodrich RW, Ren F, Zhang J, Zhao QA, Wang J;

PI Ghosh M, Xue AJ, Wehrman T, Weng G, Zhou P, Drmanac RT, Wang D;

PI Haley-Vicente D;

XX

DR WPI; 2003-354603/33.

DR

N-PSDB; ADI21974.

XX

PT New polynucleotides and secreted proteins, useful for treating myeloid or

PT lymphoid cell disorders, in bone cartilage, tendon, ligament and nerve

PT tissue growth or regeneration, in wound healing, and in tissue repair and

PT replacement.

XX

PS Claim 20; SEQ ID NO 509; 156pp; English.

XX

CC The invention relates to an isolated polynucleotide encoding a  
 CC polypeptide with biological activity. The polynucleotides and  
 CC polypeptides are useful in diagnostics, forensics, gene mapping,  
 CC identification of mutations responsible for genetic disorders and other  
 CC traits, to assess biodiversity, as nutritional sources or supplements.  
 CC The polynucleotides may also be used as molecular weight markers,  
 CC chromosome markers or map related gene positions, or as an antigen to  
 CC raise anti-DNA antibodies or elicit immune response. The polypeptides are  
 CC useful for raising antibodies, as markers for tissues in which the  
 CC corresponding polypeptide is expressed, for re-engineering damaged or  
 CC diseased tissues, for treating myeloid or lymphoid cell disorders, in  
 CC bone cartilage, tendon, ligament and/or nerve tissue growth or  
 CC regeneration, in wound healing, in tissue repair and replacement, in  
 CC healing of burns, incisions and ulcers, and in treating cancer. The  
 CC present sequence represents the amino acid sequence of a novel human  
 CC protein.

XX

SQ Sequence 338 AA;

Query Match 100.0%; Score 1805; DB 7; Length 338;  
 Best Local Similarity 100.0%; Pred. No. 8.4e-148;  
 Matches 338; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVWGRRKSDCDPTMITAFWIGLHLLEGPGQPVLAANLTILSSKRKVTFFKKQSRGPRPT 60  
 |||||  
 Db 1 MVWGRRKSDCDPTMITAFWIGLHLLEGPGQPVLAANLTILSSKRKVTFFKKQSRGPRPT 60

Qy 61 FKILSKSRQEDRPALSRLVGSRRLIAAGALGVVMVLLLVILIPVLMGLTCRMVCDPYGG 120  
 |||||  
 Db 61 FKILSKSRQEDRPALSRLVGSRRLIAAGALGVVMVLLLVILIPVLMGLTCRMVCDPYGG 120

Qy 121 TKAPSTAATPDRGLMQSLPTFIQGPKEAGRPGKAGPRGPPGEPGPPGPMGPPGEKGEPPG 180  
 |||||  
 Db 121 TKAPSTAATPDRGLMQSLPTFIQGPKEAGRPGKAGPRGPPGEPGPPGPMGPPGEKGEPPG 180

Qy 181 RQGLPGPPGAPGLNAAGAI SAATYSTGPKIAFYAGLKRQHEGYEVLKFDDVVTNLGNHYD 240  
 |||||  
 Db 181 RQGLPGPPGAPGLNAAGAI SAATYSTGPKIAFYAGLKRQHEGYEVLKFDDVVTNLGNHYD 240

Qy 241 PTTGKFTCSIPGIYFFTYHVMRGGDGTSMWADLCKNNQVRASAI AQDADQNYDYASNSV 300  
 |||||  
 Db 241 PTTGKFTCSIPGIYFFTYHVMRGGDGTSMWADLCKNNQVRASAI AQDADQNYDYASNSV 300

Qy 301 VLHLEPGDEVYIKLDGGKAHGNNNKYSTFSGFIIYAD 338  
 |||||  
 Db 301 VLHLEPGDEVYIKLDGGKAHGNNNKYSTFSGFIIYAD 338

RESULT 3  
 ADV86383

ID ADV86383 standard; protein; 338 AA.

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AC ADV86383;

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DT 24-FEB-2005 (first entry)

XX

DE Novel Clq domain-containing protein #7.

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KW neuroprotective; gene therapy; central nervous system disease; cns-gen. .

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OS Homo sapiens.